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Dated: 11/4/02

Signature: *Patricia McKenney*

(Patricia McKenney)

Docket No.: CFBF-P04-002  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Johnson et al.

Application No.: 09/883642

Group Art Unit: 1644

NOV 15 2002

Filed: June 18, 2001

Examiner: P. Gambel

TECH CENTER 1600/2900

For: METHOD FOR TREATING AND  
PREVENTING ATHEROSCLEROSIS

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SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Submitted herewith is one set (five sheets, five figures) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-1945, under Order No. CFBF-P04-002 from which the undersigned is authorized to draw.

Dated: November 4, 2002

Respectfully submitted,

By *William G. Gosz*  
William G. Gosz

Registration No.: 27,787

ROPES & GRAY

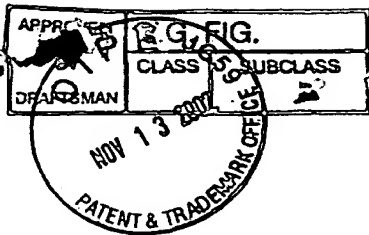
One International Place

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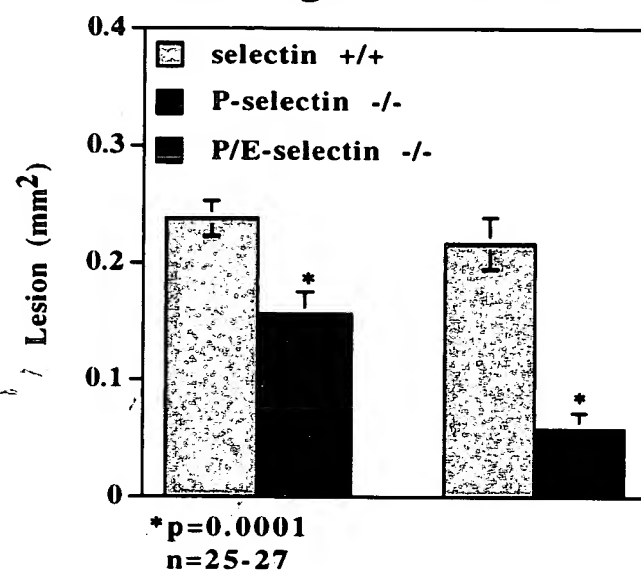
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### Aortic Sinus Lesions in LDL-Receptor $-/-$ Mice on Atherogenic Diet for 8 Weeks



zero  
lpe+/+

Fig. 1

# **Atherosclerotic lesion in entire aortae of LDLR-deficient mice on diet for 22 or 37 weeks**

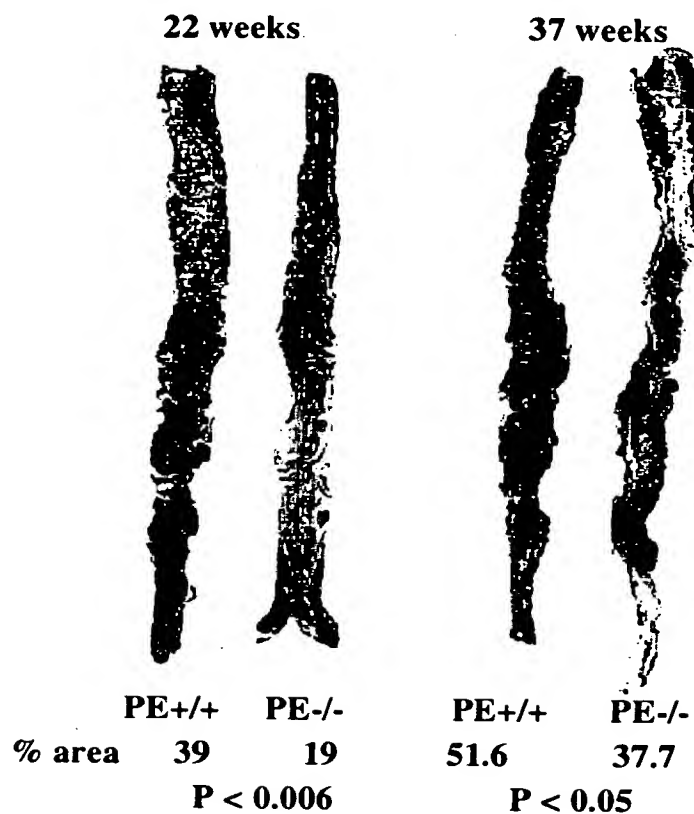
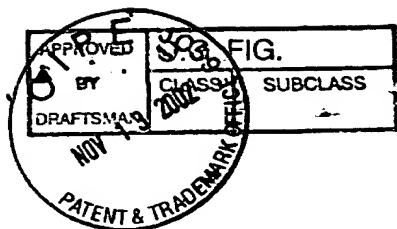
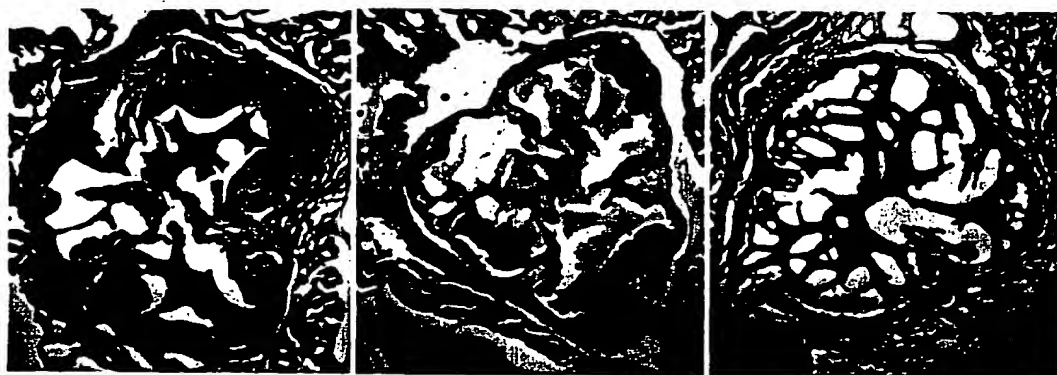


Fig. 2



## Aortic sinus lesions in LDLR-deficient mice on diet for 8 weeks



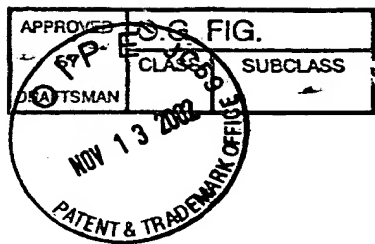
Wild type

P -/-

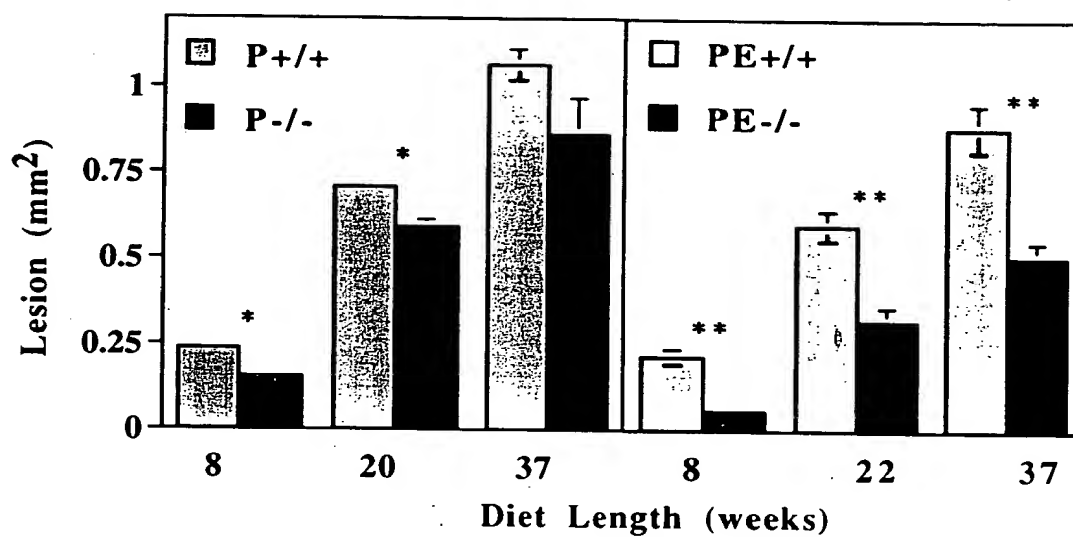
PE -/-

Fig. 3

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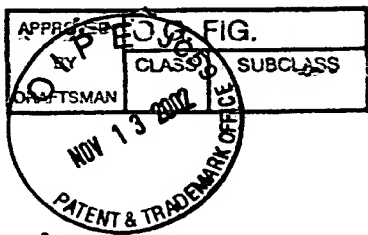


### Atherosclerotic lesion development in the aortic sinus of LDLR-deficient mice



\*  $P < 0.05$ ,  $n = 10-27$ ; \*\*  $P < 0.0005$ ,  $n = 10-26$

Fig. 4



**Lesion calcification in the aortic sinus of  
LDLR-deficient mice on diet for 37 weeks**



**PE +/+**

(93% of mice with calcification)

**PE -/-**

(20% of mice with calcification)

**Lesions were stained with oil red O, hematoxylin, and light green.  
Calcium deposit was identified by hematoxylin stain.**

**Fig. 5**

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